

Amendments to the Claims

1. (Currently Amended) A cathode ray tube comprising:  
a panel having a phosphor screen formed on the inner surface thereof;  
a funnel joined to the panel at a seal line plane and having a body portion, a yoke portion, a yoke line plane, and a neck portion; and an electron gun mounted to the neck portion of said funnel; wherein  
a thickness projection in the body portion of the funnel is provided between a the seal line plane and the neck portion of the funnel extending on both sides of the yoke line plane.
2. (Canceled)
3. (Currently Amended) The cathode ray tube of claim 2 1, wherein  
a maximum thickness Tmax and a minimum thickness Tmin of a cross section of said thickness projection satisfies:  
$$1.5 \leq T_{\max}/T_{\min} \leq 4.0.$$
4. (Currently Amended) The cathode ray tube of claim 2 1, wherein  
a thickness of said thickness projection is greater than a thickness of the adjacent body portion of the funnel.
5. (Currently Amended) The cathode ray tube of claim 4, wherein  
~~both sides of said thickness projection at the~~ an outer surface of said funnel ~~have is provided with~~ stairs at the ends thereof.

6. (Currently Amended) The cathode ray tube of claim 4, wherein ~~both sides of~~ said ~~thickness~~ projection at the ~~an~~ outer surface of said funnel ~~have is provided with ends having~~ curvature.
7. (Currently Amended) The cathode ray tube of claim 1, wherein a thickness of said funnel except the ~~thickness~~ projection becomes gradually greater from the neck portion to the seal line plane.
8. (Original) The cathode ray tube of claim 1, wherein said panel and said funnel satisfy:  
$$USD/PT \geq 2.5$$
wherein USD is a diagonal length of an effective screen of the panel, and PT is a distance between a central point of an inner surface of said panel and the yoke line plane.
9. (Original) The cathode ray tube of claim 8, wherein a deflection angle of the electron beams is no less than or equal to 100°.
10. (Currently Amended) The cathode ray tube of claim 8, wherein a cross section of the neck portion ~~is shaped has a~~ non-circular ~~shape.~~
11. (Currently Amended) The cathode ray tube of claim 9, wherein a cross section of the neck portion ~~is shaped has a~~ non-circular ~~shape.~~

12. (Original) The cathode ray tube of claim 1, wherein  
a deflecting angle of the electron beams is no less than or equal to  
100°.
13. (Currently Amended) The cathode ray tube of claim 12, wherein  
a cross section of the neck portion ~~is shaped~~ has a non-circular  
shape.
14. (Currently Amended) The cathode ray tube of claim 1, wherein  
a cross section of the neck portion ~~is shaped~~ has a non-circular  
shape.
15. (Currently Amended) The cathode ray tube of claim 1, wherein  
said funnel satisfies:  
 $T_t/T_s \geq 0.9$ ,  $T_t/T_n \geq 1.0$ ,  $T_t \geq 0.7\text{mm}$   
wherein A is a plane which is 30 mm apart from ~~the~~ yoke line  
plane to neck portion, ~~B C~~ is a plane which is 40 mm apart from the yoke  
line plane to the screen, and  
Tn is a thickness of said funnel at a position between A and the  
yoke line plane, Tt is ~~a~~ thickness of said funnel at the ~~B~~ yoke plane, and  
Ts is a thickness of said funnel at a position between the yoke line plane  
and ~~the B C~~.